

## Abstract

To provide an arm wear type communication device for which the actual use form is taken into consideration. Arm holders each having no coating are provided as wear bodies in the both sides of a communication device body. Chip antennas each having a flat shape are respectively disposed in the arm holders. In this arm wear type communication device, when the communication device body is being worn to an arm, the chip antennas are respectively located on a radius side and a ulna side of an arm. Under this condition, the transmission and reception of the electric wave are carried out. When the communication device body is detached from an arm to be put to an ear to be used, the transmission and reception of the electric wave in which the grounding effect of the human body is avoided are carried out. Each of the chip antennas includes a grounding pattern on an antenna substrate, a dielectric material which is disposed on the upper part of the grounding pattern, a conductor foil called a patch pattern which is formed on the upper surface of the dielectric material.